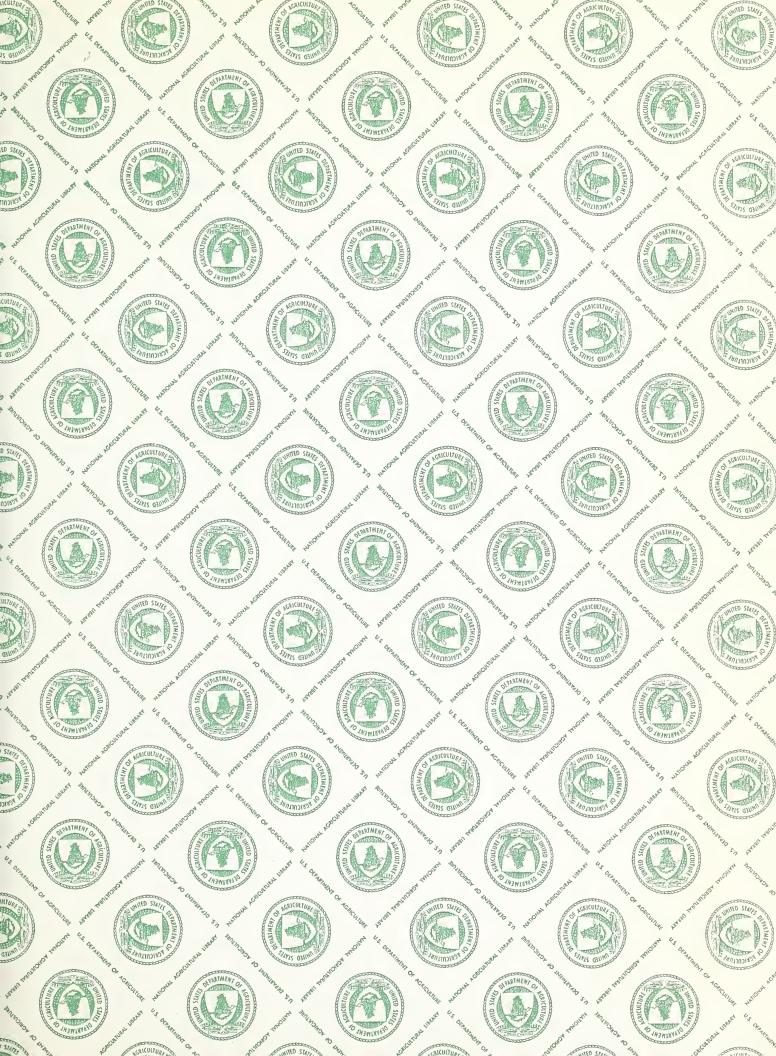
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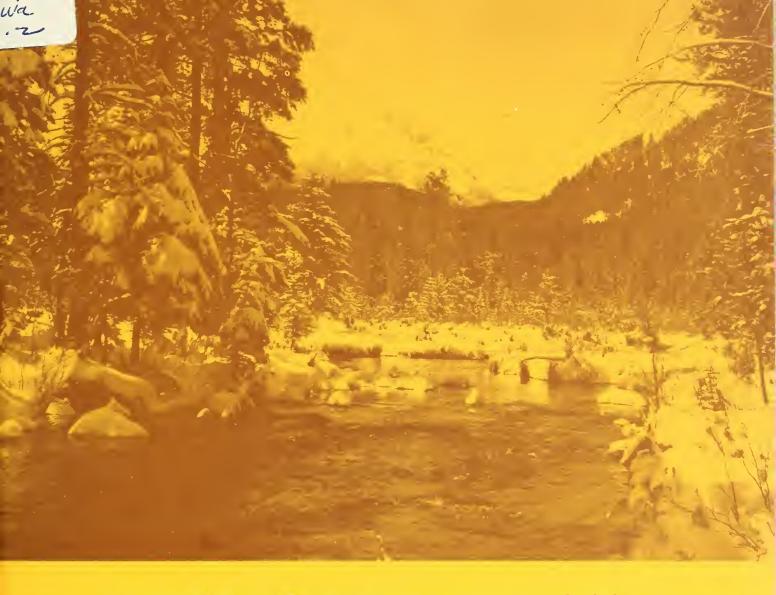












WATER SUPPLY OUTLOOK FOR UTAH

U. S. DEPT. OF AGRICULTURE NATIONAL AGRICULTURAL LIBRARY

MAR 3 - 1967

CURRENT SERIAL RECORDS

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE.

and

STATE ENGINEER of UTAH

In cooperation with U.S. Forest Service, Bureau of Reclamation, Utah Fish and Game Dept., Utah Agricultural Experiment Station, U.S. National Park Service, U.S. Geological Survey; and other Federal, State, and private organizations.



TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season as they affect runoff will add to be an effective average. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data or reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Listed below are water supply outlook reports based on Federal-State-Private Cooperative snow surveys. Those published by the Soil Conservation Service may be obtained from Soil Conservation Service, Room 507, Federal Building, 701 N. W. Glisan, Portland, Oregon 97209.

PUBLISHED BY SOIL CONSERVATION SERVICE

D. A. WILLIAMS, Administrator

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 507, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85205
Colorado (N. Mex.)	12417 Federal Building, Denver, Colorado 80202
Idaho	P. O. Box 38, Boise, Idaho 83701
Montana	P. O. Box 855, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4001 Federal Building, Salt Lake City, Utah 84111
Washington	840 Bon Marche Bldg., Spokane, Washington 99206
Wyoming	P. O. Box 340, Casper, Wyoming 82602

CONSERVATION OF WATER

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

WATER SUPPLY OUTLOOK

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS for UTAH

JANUARY 1, 1967

Report prepared by

GREGORY L. PEARSON - PAUL KEIL

and

Patricia Paramore

SOIL CONSERVATION SERVICE SNOW SURVEY SECTION FEDERAL BLDG., ROOM 4012 SALT LAKE CITY UTAH 84111

Issued by

HUBERT C. LAMBERT

STATE ENGINEER

STATE OF UTAH

SALT LAKE CITY, UTAH

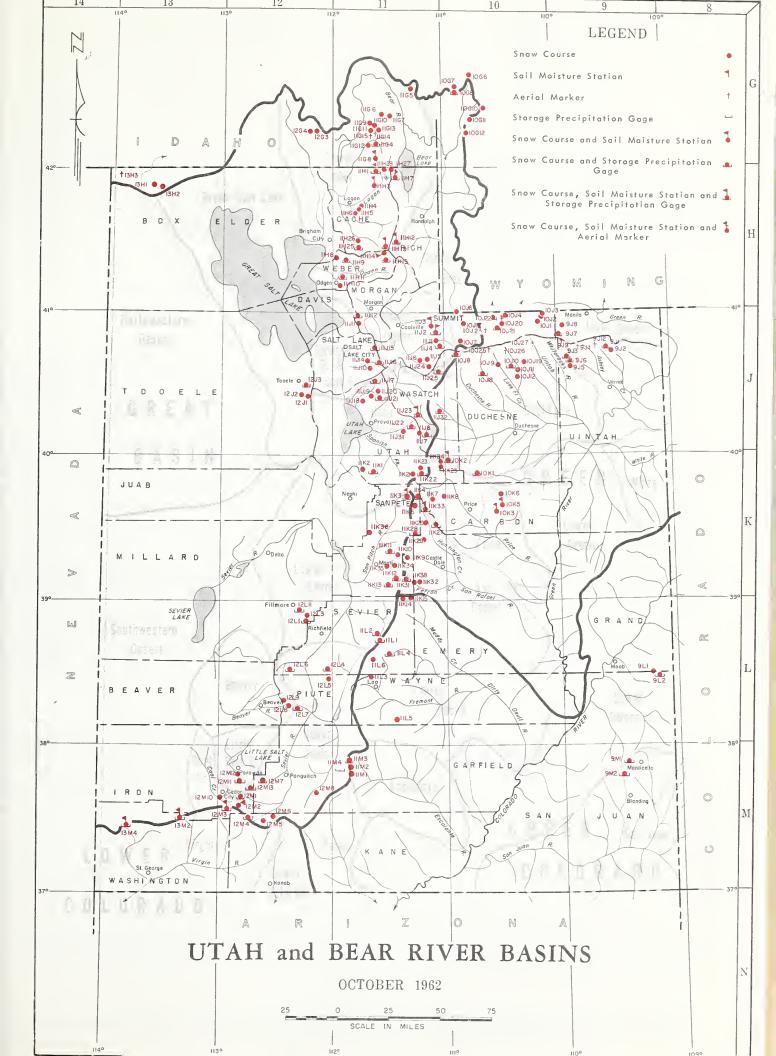
J.A. LIBBY

STATE CONSERVATIONIST

SOIL CONSERVATION SERVICE

SALT LAKE CITY, UTAH





	NO. STATE NAME SEC. TWP. RGE. ELEV.	10,025a U Lakefork Basin 2, 31 1E 900 10,025a U Lakefork Basin 2, 3 2, 1 7, 11,09 10,010 U Lakefork Mountain 2, 2 3 2, 1 7, 11,09 10,011 U Lakefork Mountain 2, 2 3 2, 1 7, 11,00 10,012 U Lakefork Mountain 2, 2 2 2, 2 1, 3 1, 3	U Corral U Goseberry Reservoir U Goseberry Reservoir U Grassy Trail Greek-Left Fork 2 148 135 U Huntingcon-Horseshoe 12 148 135 U Huntingcon-Horseshoe 2 118 165 U Jones Ranch 2 18 23 128 78 U Mamuch R.S Cottonwood Greek x 13 & 23 135 55 U Mud Greek x 13 & 23 135 55 U Theorian	## 1 108 ##	ш "	U Widtsoe-Escalante #3 22 3.5 1W VIRGIN RIVER Cedar Breaks x 2 375 9W 1 U Doug Valley Junction 22 385 6W U Long Valley Anotion 22 385 6W Widday Valley x 26 375 9W U Midday Valley x 26 375 9W SOUTHEASTERN UTAH DRAINAGES U Buckboard Plat 36 325 22E Camp Jeckson 23 35 22E	912 U LaSal Mountain (upper)	Numbering system (example) 10.17 SNOW COURSE AND PRECIPITATION GAE 10.17 SNOW COURSE AND PRECIPITATION GAE 10.17 SNOW COURSE AND SOIL MOISTURE STATION 10.17 SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAE 10.17 SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAE 10.17 ARRIAL WARKER ONLY 10.17 STORAGE PRECIPITATION GAGE ONLY X ADJACENT ORAINAGE
INDEX TO UTAH AND BEAR RIVER BASIN	NO. STATE NAME SEC. TWP. RGE, ELEV.	U Lamb's Canyon Widdle Canyon Widdle Canyon Widdle Canyon B 25 3W Retley's Canyon Summit x 9 8 10 15 3E B 28 28 3W Silver Lake (Brighton) U PPER SEVIER RIVER (South of Richfield', Utol B 35 72 2W B 37 265 2W B 37 265 2W Castle Valley Castle Valley	12MAP U Duck Creek R.S. 11 88 8W 8560 111.3 U Harris Flat 24 38 700 12M5 U Harris Flat 24 385 7W 7700 12M6 U Kimberly Mine 22 385 6W 7700 12M7 U Miday Valley Unction 22 385 6W 7600 12M7 U Panguith Lake 26 5 365 7W 8200 12M7 U Valdsoe-Escalante 22 345 7W 9300 11M7 U Widtsoe-Escalante 22 345 1W 9500 11M7 U Widtsoe-Escalante 32 245 1W 9500 11M7 U Widtsoe-Escalante	LOWER SEVIER RIVER (Including Son Pitch Riverse Active Plane) LOWER SEVIER RIVER (Including Son Pitch Riverse Plane) LOWER SEVIER RIVER (Including Son Pitch Riverse Plane) LOWER SEVIER RESERVENCE LOWER SEVIER SEVIER LOWER SEVIER SEVIER SEVIER LOWER SEVIER SEVIE	U BEAVER RIVER BEAVER RIVER U Big Table U Merchant's Valley U Werchant's Valley U WARNOWAN CREEK U WANGE RESERVOIT COAL CREEK U GGAR Breeks x 2 375 9W 1	Widden Valley A 1 1 375 9W U Uris Flat 2 26 375 9W U Webster Flat x 20 375 9W ENTERPRISE TO NEW HARMONY DRAINAGES U Little Grassy Greek 2 385 17W U Little Grassy Greek 2 385 17W U LONG Flat 2 1 385 17W U LONG Flat 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10072P 10 Mancha Mark 20 15 175 1900 10072P 10 Mark's Fork Unrition 33 30 12E 8925 10072P 10 Mark's Fork Unrition 1, 1N 11E 8925 10072B 10 Mark's Fork Unrition 1, 1N 11E 8925 10073 10 Mark's Fork 2, 2 20 17E 8925 1007 10 Mark's Fork 2, 2 20 17E 8925 1007 10 Mark's Fork 2, 2 20 17E 9900 1007 10 Mark's Fork 3 20 18 8920 1007 10 Mark's Fork 3 2 2 18 8720 1007 10 Mark's Fork 10 Mark's Fork 10 18 8790 1007 10 Mark's Fork 10 Mark's Fork 10 18 8790 1007 10 Mark's Fork 10 Mark's Fork 10 18 8790 1007 10 Mark's Fork 10 Mark's Fork 10 18 8790 1007 10 Mark's Fork 10 Mark's Fork 10 18 17E 19300 1007 10 Mark's Fork 10 Mark's Fork 10 18 17E 19300 1007 10 Mark's Fork 10 Mark's Fork 10 18 17E 19300 1007 10 Mark's Fork 10 Mark's Fork	U Steel Creek Park 17 2N 13E U Windy Park 17 2N 13E U Muod Basin 2 21 15 20E U Muod Basin 2 2N 6W U Chapted-Miltaroka Lakes 3 15 17E U Daniels-Strauberry Summit x 20 2S 12W U Daniels-Strauberry Summit x 20 2S 12W U East Portal x 26 2E 2W U Indian Canyon 2 11S 10B
	NO, STATE NAME SEC. TWP, RGE. ELEV.	GREAT BASIN DRAINAGE UPPER BEAR RIVER (obove Horer, idoho) UPPER BEAR RIVER (obove Horer, idoho) UDATE-MAILER Ranch 17 27M 117W 8700 1037 W CCC Camp x 1 15 3M 10E 790C 1037 U Hayden Fort 1 1 3 9E 9300 10012 W Monte Cristo R.S. 1 18 9E 9300 10112 U Monte Cristo R.S. 1 2 2 3 114W 8200 1005 W Poing Headeus x 2 2 2 3 114W 8200 1005 W Salf, River Sammit x 2 2 2 3 114W 8500 10377P U Skillyater Camp 2 2 2 2 3 114W 8500 10377P U Skillyater Camp 2 2 2 2 3 114W 8500 10377P U Skillyater Camp 2 2 2 2 3 3 3 3 3 3	LOWER BEAR RIVER (below Horer, Idoho) Beaver Greek-Skunk Greek 22 8N 3E Official States Ranch 27 13S 41E I Oby River Ranger Station 5 15S 42E I Dry Basin Ranger Station 5 15S 42E I Dry Bread Pond 19 8N 4E I Dry Creek Flat 31 13S 37E I Bhiggrath Swumit 21 12S 42E I Bhiggrath Swumit 22 12S 42E I Franklin Basin mouth) 24 12S 42E I Franklin Basin mouth) 25 41E	Inc.	I Willow Flat	11J24		Payson R.S. 30 10S 3E Rook Bridge 14 10S 2E Soapstone R.S. 24 4S 2E South Fork R.S. 24 4S 2E Strawberry Bridge 34 8 35 7S 6E Timpanogos Gave Camp 27 7S 6E Timpanogos Bridge 33 4S 35 7S 6E Trial Lake 5 2E JORDAN RIVER & GREAT SALT LAKE Bevan's Cabin 24 4S 4E Farmington Canyon (lower) 14 3N 1E Farmington Canyon (upper) 26 3N 1E Parmington Canyon (upper) 26 3N 1E Parmin

WATER SUPPLY OUTLOOK

as of

JANUARY 5. 1967

From 10% to 30% above average streamflow during the April-September period is now expected from most watersheds lying in the area between the Arizona border and a line extending from Utah Lake eastward across the Provo river to the Duchesne and other Uintah Basin streams.

In the rest of Utah north of this area and extending into Idaho and Wyoming along the tributaries of the Bear river, the snowpack is near, but generally below average. Here, prospective streamflow varies from about 15% below average to about 5% above. The streamflow outlook is similar near Tooele and in eastern Garfield county along the Escalante and East Fork Sevier rivers. As shown on the comparative snow data page, this section also has below normal snow cover.

Streamflow during December was near or a little above average in northern Utah and above to much above in the south. An intense storm moved across southern Utah the first week of December depositing about 5 to 10 inches of rain over a widespread area. Orderville and Kanab reported totals for the month of over 7 inches, about the same amount as was received during the previous 11 months. The greatest amount reported for any station was 12.60 inches at the Little Grassy Creek raingage (Elev. 6100 ft.) near the divide between the Santa Clara river and Enterprise reservoir drainages. Soils were well saturated by the storms but the rains extended to mountain areas and prematurely reduced the intermediate and low elevation snow cover. Duck Creek Ranger Station(8560 ft.) received 11.39 inches water during the storm, but by the end of the month only 2.2 inches of water (55% average) was present in the snowpack. At elevations near 10,000 feet the snowpack is over 170%. Benefits for summer water use will be reduced by the premature above average winter runoff.

Although storage in the 14 principal reservoirs of the state (excluding Flaming Gorge and Lake Powell) was 12% above average, it is less favorable in the reservoirs of the Sevier and Beaver rivers. These reservoirs contained a total of 97.970 acre feet, or 74% of average.

•	

BASIN or STREAM	RESERVOIR	USABLE	MEAS	SURED (FIRST OF	MONTH)
		CAPACITY	THIS YEAR	LAST YEAR	AVERAGE

GREAT BASIN													
Bear River	Bear Lake Woodruff Narrows	1421.0 26.5	1048.7 12.5c	1206.9 19.2	882.4								
Beaver River	Rocky Ford	23.3	6.2	10.2	9.1								
<u>Little Bear</u>	Hyrum Porcupine	15.3 11.3	10.1 2.7	10.7 2.8	9.2								
<u>Ogden</u>	Causey Pineview	7.1 110.0	0 47.1	4.5 78.1	8.5								
Provo	Deer Creek	149.7	89.8	115.6	91.8								
<u>Sevier River</u>	Otter Creek Piute Sevier Bridge	52.5 74.0 236.0	10.9 35.9 45.0	22.9 29.8 79.2	19.7 23.9 79.5								
Spanish Fork	Strawberry	270.0	89.8	112.7	129.9								
<u>Utah Lake</u>	Utah Lake (b)	1149.0	533.4	664.3	485.5								
<u>Weber</u>	East Canyon Echo Rockport Willard Bay	28.7 73.9 59.1 215.0	12.2 39.0 15.1 85.2	0.4 62.0 52.5 74.8	11.2 23.9 15.0*								
	COLORADO RIV	ER DRAINAGE											
Ashley Creek	Steinaker	33.3	20.4	18.5	OD 69								
<u>Colorado</u>	Blue Mesa Lake Powell	940.8d 27,000.0d	359.7 7933.0	86.3 8765.0									
Green	Flaming Gorge	3789.0d	2280.9	2434.6	Calas upols								
Lake Fork	Moon Lake	35.8	12.4	30.4	11.3								
Price River	Scofield	65.8	35.2	50.9	17.2								
San Juan	Navajo	1709.0d	412.4	415.9									

 $[\]star$ - 1957-62 Average Contents

All data contained in this table supplied by the U.S. Geological Survey.

⁽a) 1948-62 average. (b) Active capacity taken at 3.1 feet above compromise point. (c) Partly estimated.

^(*) Total capacity reported.



RIVER BASIN or TRIBUTARY WATERSHED	NO. of COURSES	THIS YEARS SNOW WATER	EXPRESSED AS PERCENT OF :
RIVER BASIN OF TRIBUTARY WATERSHED	AVERAGED	LAST YEAR	AVERAGE *

	GREAT BASIN	1	
Smith's Fork - Bear River(Wyo) Logan River Ogden River Weber River above Echo Dam East Canyon Creek Salt Lake Area Tooele Area American Fork River Provo River above Vivian Park Strawberry Reservoir Valley Payson Creek Sevier River above Hatch East Fork Sevier River Clear Creek above Sevier Salina Creek Mt. Pleasant Area Ephraim Area Mayfield Area Coal Creek-Cedar City	2 3 2 6 3 4 1 2 7 3 2 3 4 1 2 2 2 2 2 3	73 72 157 117 108 110 87 146 122 123 206 33 74 282 172 171 150 179 52	58 70 66 96 86 83 78 158 124 138 130 83 57 103 126 138 126 116 125
	COLORADO RIVER	BASIN	
Duchesne-Strawberry Rivers Whiterocks - Uintah Rivers Price River San Rafael River Escalante River Virgin River	6 3 6 4 3	113 96 131 157 89 37	133 155 157 134 61



GREAT BASIN DRAINAGE

UPPER BEAR RIVER (Above Harer, Idaho)							
CCC Camp x Salt River Summit* Trial Lake*	10G7 10G8 10J8	7500 7900 9800	12/29 12/29 12/30	15 21 46	2.7 4.1 12.4	3.5 5.9 10.9	5.1 6.4 10.8*
LOWER BEAR RIVER (Below Harer, Idaho)							
Garden City Summit Klondike Narrows Tony Grove R.S.	11H7 11H1 11H3	7600 7 4 00 6250	12/30 12/30 12/30	31 34 19	5.9 7.1 2.5	8.2 8.0 4.6	8.1* 8. <i>5</i> * 4.8*
OGDEN RIVER							
Ben Lomond Peak Ben Lomond(1ower) Ben Lomond Trail Cutler Creek	11H8 11H9 11H30 11H29	8000 5850 6000 6780	12/29 12/29 12/29 12/29	41 15 16 31	12.5 2.4 2.7 9.8	11.0 1.2 1.5 4.9	13.5* 6.3*
WEBER RIVER							
Beaver Creek R.S. Farmington Canyon(1) Farmington Canyon(u) Lamb's Canyon x Parley's Canyon Smt. Silver Lake x Smith & Morehouse Trial Lake x	11 J 24 11 J 12 11 J 11 11 J 14 11 J 15 11 J 16 11 J 4 10 J 8	7500 6950 8000 6600 7500 8725 7600 9800	12/30 1/4 1/4 12/30 12/30 12/30 12/29 12/30	19 22 40 20 22 35 16 46	4.0 5.6 10.6 4.8 4.9 10.4 3.9 12.4	2.6 5.2 10.2 3.0 5.6 13.5 3.5	3.4* 8.0* 9.0* 5.4* 7.0* 10.6 4.7* 10.8*
PROVO RIVER & UTAH LAKE							
Camp Altamont Daniels-Strawberry Smt. East Portal Payson R.S. Rock Bridge Soapstone R.S. South Fork R.S. Strawberry Divide Timpanogos Cave Camp Timpanogos Divide Trial Lake	11 J 20 11 J 23 11 J 7 11 K 1 11 K 2 11 J 25 11 J 19 11 J 18 11 J 18 11 J 21 10 J 8	7300 8000 7560 8050 6750 7800 6100 8000 5500 8140 9800	12/30 12/29 12/30 12/28 12/28 12/30 12/30 12/30 12/30 12/30 12/30	32 32 23 32 23 24 13 33 357 46	9.9 8.5 5.7 8.5 4.8 5.8 2.2 8.9 0.3 18.8 12.4	6.2 8.0 4.3 5.3 1.9 5.2 1.2 6.8 Trace 14.4 10.9	7.0 5.4 4.1 5.9* 4.1* 5.2* 3.8 7.6 1.4 10.7 10.8*



DRAINAGE BASIN and SNOW COURSE			DATE OF	SNOW DEPTH	WATER	WATER CON	TENT (Inches)
J ² NAME	NO.	ELEVATION	SURVEY	(Inches)	CONTENT (Inches)	LAST YEAR	AVERAGE a
JORDAN RIVER & GREAT SAL	T LAKE						
Lamb's Canyon Middle Canyon Mill D South Fork Parley's Canyon Smt.x Silver Lake	11J14 12J3 11J10 11J15 11J16	6600 7000 7400 7500 8725	12/30 1/3 12/29 12/30 12/29	20 17 21 22 35	4.8 4.0 5.7 4.9 10.4	3.0 4.6 5.0 5.6 13.5	5.4* 5.1* 7.5* 7.0* 10.6
UPPER SEVIER RIVER (South of Richfield, Uta	h)						
Bryce Canyon Duck Creek R.S. Harris Flat Kimberly Mine Long Valley Jct. x Midway Valley Widtsoe-Escalante Smt. Widtsoe-Escalante #2 Widtsoe-Escalante #3	12M8 12M4 12M5 12L6 12M6 12M2 11M1 11M2	8000 8560 7700 8900 7500 9800 9500 9500	12/30 12/28 12/28 12/30 12/28 12/29 12/29 12/29 12/29	9 11 4 32 7 39 13 17 21	1.0 2.2 0.4 6.2 0.6 12.1 2.4 2.8 3.8	3.6 12.8 6.7 2.2 1ce 16.0 2.6 2.9 4.8	2.2* 4.0* 2.0* 6.0* 1.0* 7.0* 3.4 4.8* 7.0*
LOWER SEVIER RIVER (Including San Pitch Riv	ver)						
Beaver Dams Farnsworth Lake G.B.R.C. Headquarters G.B.R.C. Meadows Gooseberry R.S. Gooseberry Reservoir x Mammoth R.SCtnwd Crk. Mt. Baldy R.S. Shingle Mill	11K13 11L1 11K11 11K10 11L2 11K4 11K3 11K12	8000 9900 8700 10000 8400 8700 8800 9500 6200	12/28 12/29 12/30 12/30 12/29 12/27 12/27 12/28 12/29	18 32 30 42 21 32 35 38	3.8 7.0 11.2 4.0 9.4 9.6 9.7	1.8 4.4 4.8 7.3 2.4 N.R. 5.6 6.6 0.9	3.9% 6.0% 5.5% 9.0% 3.3% 6.8% 7.0% 7.2%
COAL CREEK							
CSU Ranch Midway Valley x Urie Flat Webster Flat x	12M17 12M2 12M10 12M3	8200 9800 8450 9200	12/29 12/29 12/29 12/29	6 39 7 23	0.9 12.1 1.3 6.0	5.4 16.0 3.9 12.5	 7.0* 1.9* 4.5*
PAROWAN CREEK Birch Crossing Brian Head Ed Ward Flat Tall Poles Yankee Reservoir	12M16 12M14 12M12 12M15 12M11	8100 10400 8300 8800 8700	12/29 12/29 12/29 12/29 12/29	7 29 11 20 12	1.4 6.9 1.5 4.5 2.0	1.7 10.2 3.2 5.8 4.1	

PAST RECORD

CURRENT INFORMATION

SNOW



			COI	THE INTO ON		1701 10	LOOKD
DRAINAGE BASIN and SNOW		ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT	WATER CONT	ENT (Inches)
NAME	NO.	ELEVATION	JORVET	(mones)	(Inches)	LASI TEAK	AVERAGE
	COL	ORADO RI	VER DRA	INAGE			
DUCHESNE RIVER							
Conference of the conference o							
Daniels-Strawberry Smt.	11J23	8000	12/29	32	8.5	8.0	5.4
East Portal x	11J7	7560	12/30	23	5.7	4.3	4.1
Indian Canyon Julius Park	10K1 9J6	9100 9800	12/29 12/28	32 32	7.8 8.4	9.7 7.6	5.0 5.6*
Mosby Mountain	9J5	9500	12/28	28	7.2	7.8 7.8	4.0%
Paradise Park	9J3	10100	12/28	29	7.3	8.5	5.4×
Soapstone R.S. x	11J25	7800	12/30	24	5.8	5.2	5.2%
Strawberry Divide x	11J8	8000	12/30	33	8.9	6.8	7.6
Trial Lake x	10J8	9800	12/30	46	12.4	10.9	10.8*
DDTCC DTVCD							
PRICE RIVER							
Dry Valley Divide	11K8	7800	12/29	24	5.9	4.2	3.0
Gooseberry Reservoir	11K4	8700	12/27	32	9.4	N.R.	6.8*
Indian Canyon x	10K1	9100	12/29	32	7.8	9.7	5.0
Jones Ranch	11K7	7600	12/29	16	3.6	2.8	2.2
Mammoth R.SCtnwd. Crk.		8800	12/27	35	9.6	5.6	7.0%
Mud Creek	11K33	8300	12/29	28	7.1	5.3	4.8%
SAN RAFAEL RIVER							
G.B.R.C. Meadows x	11K10	10000	12/30	42	11.2	7.3	9.0%
Gooseberry Reservoir x	11K4	8700	12/27	32	9.4	N.R.	6.8*
Mammoth R.SCtnwd. Crkx		8800	12/27	35	9.6	5.6	7.0%
Mt. Baldy R.S. x	11K12	9500	12/28	38	9.7	6.6	7.2*
FREMONT RIVER							
Farnsworth Lake x	11L1	9900	12/29	32	7.8	4.4	6.0%
MUDDY RIVER			, -				
Mt. Baldy R.S. x	11K12	9500	12/28	38	9.7	6.6	7.2%
ESCALANTE RIVER		<i>)</i>	12/20	,	201		, , , _
							!
Widtsoe-Escalante Smt.	11M1	9500	12/29	13	2.4	2.6	3.4
Widtsoe-Escalante #2 Widtsoe-Escalante #3	11M2 11M3	9500 9500	12/29	17	2.8 3.8	2.9 4.8	4.8* 7.0*
widtsbe-Escarante #5	כויוו	9500	12/29	21	3.0	7,0	/ • 0 ^
VIRGIN RIVER							
Duals Charle D. C.	1211	9560	10/20	11	2 2	12.8	4.0%
Duck Creek R.S. Harris Flat x	12M4 12M5	8560 7700	12/28 12/28	4	2.2 0.4	6,7	2.0%
Long Valley Jct.	12M6	7500 7500	12/28	7	0.6	Ice	1.0%
Midway Valley x	12M2	9400	12/29	39	12.1	16.0	7.0%
Webster Flat	12M3	9200	12/29	23	6.0	12.5	4.5%

CURRENT INFORMATION

PAST RECORD

SNOW

ر DRAINAGE BASIN	ELEVATION	DATE OF	NT INFORM		FROM APPROX.OCT. I TO DATE		
AND RAIN GAGE LOCATION		READING	PRECIPITATION	1948 - 62 AVERAGE	THIS YEAR	1948 - 62 AVERAGE	PERCENT OF AVERAGE
	GF	REAT BAS	IN DRAIN	IAGE			
UPPER BEAR RIVER (Above Harer, Idaho)							
Salt River Summit Trial Lake*		12/29 12/30	2.70 6.55	3.20 5.05	4.35 13.22	7.75 11.05	56 120
LOWER BEAR RIVER (Below Harer, Idaho)							
Garden City Summit Klondike Narrows Tony Grove R.S.(SCS)	7400	12/30 12/30 12/30	4.25 4.10	T 1	6.91 9.14 6.39	8.25 10.20	84 90
OGDEN RIVER							
Ben Lomond(lower) Ben Lomond Trail Causey Dam	6000	12/29 12/ 2 9 12/29		-	11.45 11.38 6.09	10.60 11.13	108 102
WEBER RIVER							
Farmington Guard Sta.(1) Farmington Rice (1) Mt. Dell Dam (2)* Parley's Canyon Smt. Silver Lake(Brighton)*(2) Smith & Morehouse Trial Lake*	7000 5500 7500 8725 7600	1/4 1/3 12/31 12/30 12/31 12/29 12/30	5.10 4.12 2.25 6.43 3.17 6.55	4.90a 2.49a 4.05 5.67a 3.55	13.66 8.51	9.45	93 89 95 66 105 103 120
PROVO RIVER & UTAH LAKE							
Daniels-Strawberry Smt. East Portal Ridge Payson R.S. Soapstone R.S. Strawberry ResE.Portal Timpanogos Divide	7800 8050 7800 7606	12/29 12/30 12/28 12/30 Ahando 12/30	5.25 3.69 ned 10.50	3.50 3.50 3.15 2.06a 5.09a	11.52 9.80 11.65 8.03	8.35 8.15 7.35 4.98a 11.73a	138 143 109
Trial Lake		12/30	6.55	5.05	13.22	11.75	120

2.25

6.43

3.65

2.49a

4.05

5.67a

5.50

5.83

6.26

13.66

8.20

6.11a

9.45

12.98a

67

95

66

105

1/3 12/31 12/30 12/31

7000

5500

7500

JORDAN RIVER & TOOELE VALLEY

Silver Lake(Brighton) (2) 8725

Middle Canyon

Mt. Dell Dam (2)

Parley's Canyon Smt.



RECIPITATION DATA (Inches)												
DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRE DATE OF	NT INFORMAT	10N 1948 - 62	FROM APPROX.OCT.I TO DATE							
		READING	PRECIPITATION	AVERAGE	THIS YEAR	AVERAGE	AVERAGE					
SEVIER RIVER ABOVE RICHFIELD												
Duck Creek R.S. Kimberly Mine Webster Flat* Widtsoe-Escalante #3 Widtsoe-R.S.	8560 8900 9200 9500 7600	12/28 12/30 12/29 12/29 12/29	11.77 7.88 6.90 3.70 1.46	3.35 3.10 3.50 2.30 0.93a	15.98 12.70 11.53 5.76 2.58	8.35 7.85 8.90 6.25 2.71 a	191 162 130 92 95					
SEVIER RIVER BELOW RICHFIELD (Including San Pitch River)												
Beaver Dams Farnsworth Lake G.B.R.C.Headquarters(1) G.B.R.C. Meadows (1) G.B.R.C. Oaks (1) Gooseberry R.S. (1) Gooseberry Reservoir* Mammoth R.S. #2* Mt. Baldy Shingle Mill	8000 9900 8700 10000 7655 7800 8700 8600 9500 6200	12/28 12/29 12/30 12/30 12/30 12/29 12/27 12/27 12/28 12/29	5.00 5.70 6.14 4.56 4.26 4.59	2.55 3.15 3.03 3.36 2.24 2.40 3.35 3.35 	5.99 8.77 10.92 13.48 8.19 7.74 10.67 11.97 10.04 9.54	8.10	94 110 141 154 147 133 131 148 147					
BEAVER RIVER Beaver Canyon P.H.(2)	7275	12/31	4.26	1.41a	6.57	3.80	a 173					
COAL CREEK												
Webster Flat*	9200	12/29	6.90	3.50	11.53	8.90	130					
PAROWAN CREEK												
Tall Poles	8800	12/29	4.00		7.57							
COLORADO RIVER DRAINAGE												
UPPER GREEN RIVER IN UTAH (Tributaries above Duchesne River)												
Burnt Creek Grizzly Ridge	7900 8500		0.48 1.23		4.48 6.76		a. a.					



DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX.OCT.I TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948 - 62 AVERAGE	THIS YEAR	1948 - 62 AVERAGE	PERCENT OF AVERAGE
DUCHESNE RIVER							
Daniels-Strawberry Smt.* East Portal Ridge* Indian Canyon Julius Park Moon Lake Paradise Park Soapstone R.S.* Trial Lake*	7800 9100 9800 8150 10100 7800	12/29 12/30 12/29 12/28 12/31 12/28 12/30 12/30	5.25 3.00 3.69 6.55	3.50 2.90 2.70 1.49 2.90 3.15 5.05	11.52 9.80 8.68 7.79 5.15 8.16 8.03 13.22	8.35 	138 128 110 121 107 109 120
PRICE RIVER							
Gooseberry Reservoir Indian Canyon Mammoth R.S. #2 Mud Creek	9100 8600	12/27 12/29 12/27 12/29	 6.00	3.35 2.90 3.35 3.15	10.67 8.68 11.97 9.10	8.15 6.80 8.10 7.15	131 128 148 127
SAN RAFAEL RIVER							
G.B.R.C. Meadows*(1) Gooseberry Reservoir*	10000 8700	12/30 12/27	6.14	3.36 3.35	13.48 10.67	8.75a 8.15	154 131
MUDDY RIVER							
Mt. Baldy R.S. *	9500	12/28			10.04	cos 60	
FREMONT & ESCALANTE RIVER	S						
Farnsworth Lake* Widtsoe-Escalante #3	9900 9500	12/29 12/29	5.00 3.70	3.15 2.30	8.77 5.76	8.00 6.25	110 92
VIRGIN RIVER							
Duck Creek R.S. Webster Flat	8560 9 200	12/28 12/29	11.77 6.90	3.35 3.50	15.98 11.53	8.35 8.90	191 130



Agencies Cooperating in Utah Snow Surveys

U.S. GOVERNMENT AGENCIES

- U.S. Department of Agriculture Soil Conservation Service Forest Service
- U.S. Department of Commerce Weather Bureau
- U.S. Department of Interior
 Bureau of Reclamation
 Geological Survey
 National Park Service

STATE AGENCIES

Utah Agricultural Experiment Station
Utah Fish and Game Department
Utah State Engineer
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner
Utah Water and Power Board

MUNICIPALITIES

Manti Salt Lake City

ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association

PRIVATE AGENCIES

Kaiser Steel Corporation

UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE FEDERAL BLDG. -- ROOM 4012 SALT LAKE CITY, UTAH 84111

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